Orbit™
Portable Spirometer

PRE-CALIBRATED

COMPACT & TRANSPORTABLE

OFFICE MEDIC INTEGRATION

LUNG-AGE CALCULATION
Unparalleled Accuracy

The Orbit™ is a full-function portable spirometer which connects directly to your Personal Computer (PC), laptop or tablet. The Orbit™ simplifies spirometry testing by eliminating calibration and sterilization with disposable nose-clips and pre-calibrated mouthpieces. This portable spirometer integrates with Office Medic™ software and your EMR system.

**FEATURES & BENEFITS**

**Patient Safety:** Everything the patient touches is thrown away! This reduces the liability associated with cross-contamination. The QRS Pre-Calibrated Mouthpieces and Nose Clips are disposable, eliminating the need for sterilization and calibration.

**Power Supply:** No batteries required with this device because its power is drawn from the PC.

**Data Storage:** The PC and EMR connectivity allows for unlimited storage space. An average laptop can store 100,000 or more tests.

**Report Generation:** When the Orbit™ is combined with Office Medic™ software, customizable reports are generated and JPEGs and PDFs can be created and transferred into patient files.

**SPIROMETRY ACCESSORIES**

**QRS Pre-Calibrated Mouthpiece (Z-5000-2608)**
The QRS Pre-Calibrated Mouthpieces are disposable and calibrated during production using the same equipment LDS Hospital uses to validate spirometers against the ATS’s recommendations for the Standardization of Spirometry.

**QRS Nose Clips (724050-00)**
The use of a QRS nose clip for occlusion of the nares is recommended by ATS Standards.

**QRS 3L Spirometry Syringe (723000-00)**
According to ATS standards, the volume accuracy of the spirometer must be checked at least daily.

**WHAT’S INCLUDED**

- Orbit™ Portable Spirometer
- Pressure Tubes – 2
- QRS Nose Clips – 5
- QRS Pre-Calibrated Mouthpieces – 2
- Office Medic™ software

**SPECIFICATIONS**

**RANGE (BTPS):**
- Flow: ±14 liters/second
- Volume: 0.5 – 8 liters

**ACCURACY (BTPS):**
- Flow: FEF 25-75: ±5% of indication or ±200 ml/sec, whichever is greater.
- PEF: ±10% of indication or ±300 ml/sec, whichever is greater.
- Volume: FVC and FEV1: ±3% of indication or ±50 ml/sec, whichever is greater. MVV: ±10% of indication or ±15 L/min, whichever is greater.

**CALIBRATION:**
- ATS 3-speed standard calibration check

**TESTS PERFORMED:**
- FVC, Pre/Post Testing, Flow Volume Loop, MVV, SVC

**DIMENSIONS:**
- 4.3” x 3.7” x 1.7”

**WEIGHT:**
- 0.5 lb.

**OPERATING CONDITIONS:**
- 15-40°C, RH 10 to 90% (non-condensing), Atmospheric Pressure: 700 to 1060 hPa

(QRS diagnostic.com)